

**Wolaita Sodo University**

**College of Agriculture Graduate Profile Proto-type**

**Department of Natural Resource Management**

S. N O	Degree Nomenclature	Expected competence from graduates		Where they are going to be hired
		Practical skill	Soft skill	
1	Bachelor of Science Degree (B.Sc.) in Natural Resources Management	<ul style="list-style-type: none"> <li>▪ Able to analyze problems encountering the Natural Resources, design an integrated and environmentally sound solutions by considering policies and legislations, and by coordinating and reconciling the varied interests of different parties through analysis, identification and participation of stakeholders,</li> <li>▪ Competent in the principle, techniques and inventorization of stocks and distribution of Natural Resources and the opportunities they offer for socio-economic developments and environmental integrity</li> <li>▪ Able to design and implement problem orientated researches and development projects,</li> <li>▪ Provide advices for policy makers teach courses and offer various training programs in Natural Resource Management areas and provide consultancy.</li> </ul>	<ul style="list-style-type: none"> <li>▪ Carryout watershed management planning using various tools such as GIS, ground surveying and Remote Sensing (RS) and by applying Land Use Planning (LUP) principles.</li> <li>▪ Think critically, communicate, cooperate and solve problems from an interdisciplinary perspective.</li> <li>▪ Identify Natural Resources Management and environmental problems, and design cost effective, socially acceptable and environmentally sound projects and programs for mitigation and adaptation.</li> <li>▪ Working independently in assuming responsibility</li> <li>▪ Leading, motivating and caring professionals</li> <li>▪ Managing the project in area of Natural Resource Conservation and Environmental protection as well</li> <li>▪ Observing national and international standards and regulation</li> <li>▪ Develop, restore and manage various resources such as forests, soil, water, and wildlife particularly in an</li> </ul>	<ul style="list-style-type: none"> <li>▪ Watershed manager</li> <li>▪ Protected areas manager</li> <li>▪ Wildlife biologist</li> <li>▪ Climate change mitigation and adaptation related office/sector</li> <li>▪ Environmental policy analyst</li> <li>▪ Environmental sociologist or economist</li> <li>▪ Environmental protection specialist</li> <li>▪ Land use planner</li> <li>▪ Hydrogeologist</li> <li>▪ Agricultural research</li> </ul>

		<ul style="list-style-type: none"> <li>▪ Able to apply modern tools and techniques in management of Natural Resources and environmental protections, work for continuous refinement and upgrading of existing practices, and become competent entrepreneurs in their fields of experts, and</li> <li>▪ Do feasibility studies, plan, implement, monitor and evaluate programs/projects related to natural resources management on sustainable basis,</li> <li>▪ Able to work in multi-disciplinary team to solve Natural Resource Management related problems.</li> </ul>	<p>integrated manner, using watershed as a management unit, and introduce also various Payment for Ecosystem Services (PES) strategies that can optimize the economic benefits from natural resources management interventions.</p> <ul style="list-style-type: none"> <li>▪ Provide consultancy and advisory services to local communities, investors and development actors working in the areas of Integrated NRM</li> <li>▪ Using their broad base knowledge in Natural Resources Management (NRM), coordinate and implement Integrated NRM projects and programs particularly at watershed level and also mediate cross-sectoral development initiatives,</li> </ul>	<p>institute</p> <ul style="list-style-type: none"> <li>▪ Agricultural sector/office</li> <li>▪ Forestry/agroforestry sector</li> <li>▪ Environmental protection sector/office &amp; Environmental consultant</li> <li>▪ Wild life and NRM office/sector</li> <li>▪ Rural development related sector/office and so on.</li> </ul>
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